



तमिलनाडु के लिए राज्य स्तरीय समग्र कृषि-मौसम परामर्श बुलेटिन



State Composite Agro-meteorological Advisory Bulletin for Tamil Nadu and Puducherry Bulletin No. 002/2025

For the period 0830 IST, 07th January 2025 to
0830 IST, 12th January 2025

Issued on Tuesday, 07th January 2025

Issued by

DDGM, Regional Meteorological Centre, India Meteorological Department,
Chennai in collaboration with TNAU and nine AMFU's of Agro climatic Zones of
the Tamil Nadu state

Agro climatic zones of the state

Sl. No	Agro climatic zone	Districts	Agro met field Unit (AMFU) location
1	Northeastern zone	Kanchipuram, Tiruvallur, Cuddalore Tiruvannamalai, Chennai, Villupuram , Vellore	Chennai
2	Northwestern zone	Dharmapuri, Krishnagiri, Salem and Namakkal	Namakkal
3	Western Zone	Erode, Tiruppur and Coimbatore,	Coimbatore,
4	Cauvery Delta zone	Thanjavur, Nagapattinam, Tiruvarur, Karur, Perambalur, Ariyalur and Tiruchirapalli.	Adudurai
5	Southern zone	Virudhunagar, Tirunelveli and Thoothukudi	Kovilpatti
6	South Zone	Pudukkottai, Madurai, Dindigul, Theni, Ramanathapuram and Sivagangai	Kannivadi
7	High rainfall zone	Kanyakumari	Pechiparai
8	Hilly zone	Nilgiris	Ooty
9	Coastal Zone	Karaikal and Pondicherry	Karaikal



Past Weather Summary for the period 03.01.25 to 06.01.25 for the State of Tamilnadu & Puducherry

Temperature:

Maximum Temperature of range 26°C – 32°C prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range 16°C – 24°C during the period.

Minimum temperature of range 17°C - 24°C prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range 07°C - 10°C during the same period.

Spatial distribution of Rainfall

Spatial distribution of Rainfall	Tamil Nadu	Puducherry
Widespread (Most places)	-	-
Fairly widespread (Many places)	-	-
Scattered (Few Places)	-	-
Isolated (One or Two Places)	-	-
Dry	03.01.2025, 04.01.2025, 05.01.2025 and 06.01.2025	03.01.2025, 04.01.2025, 05.01.2025 and 06.01.2025

Chief Amounts of Rainfall (in cms):-

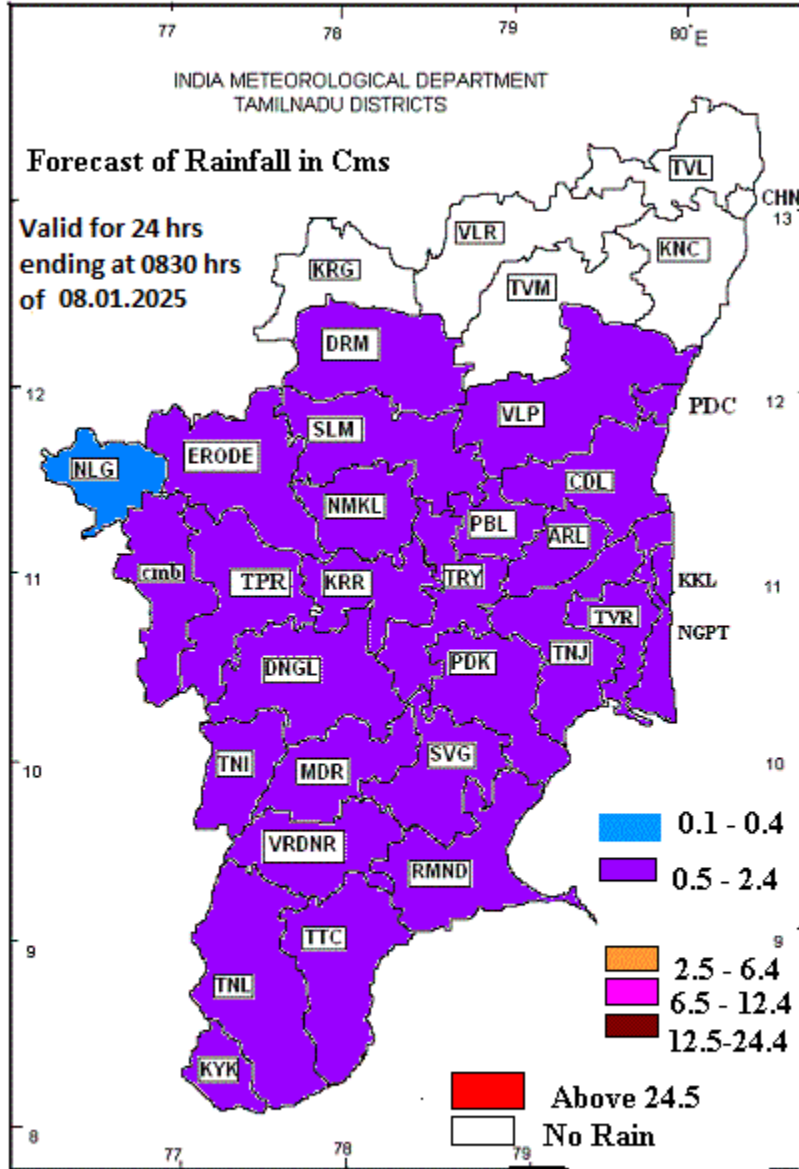
03.01.25 : Nil

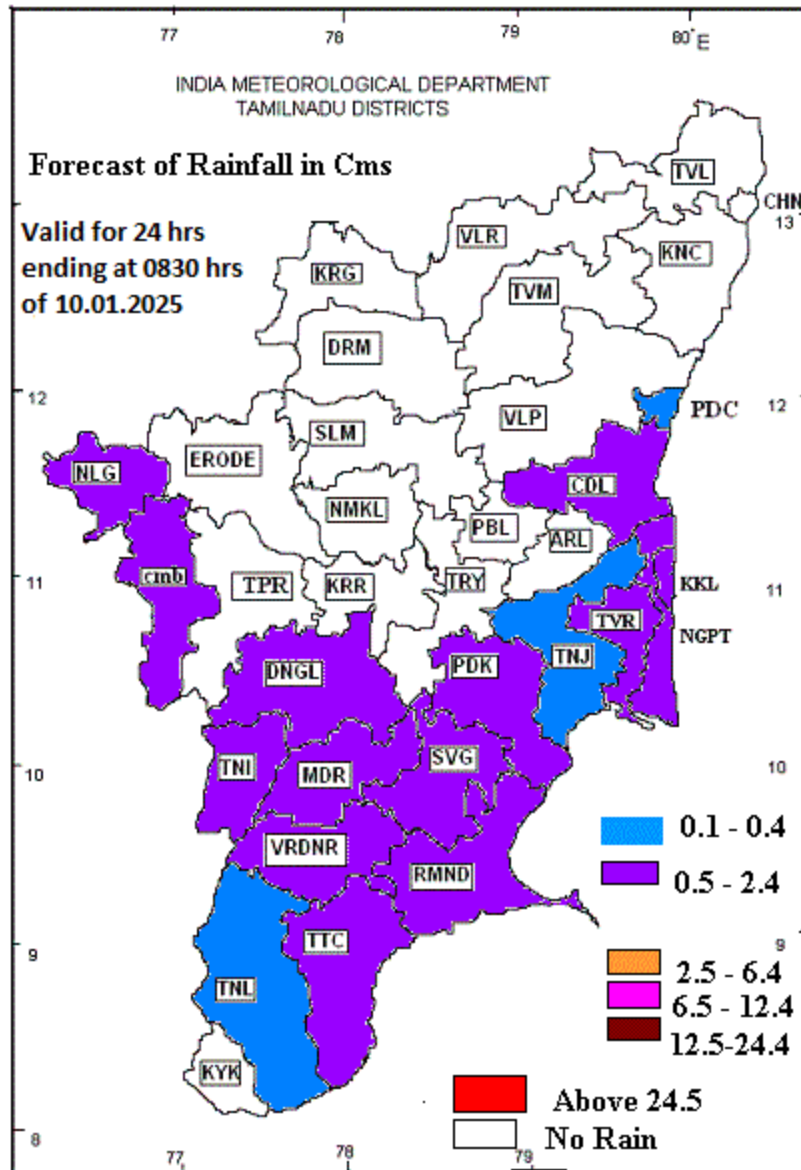
04.01.25 : Nil

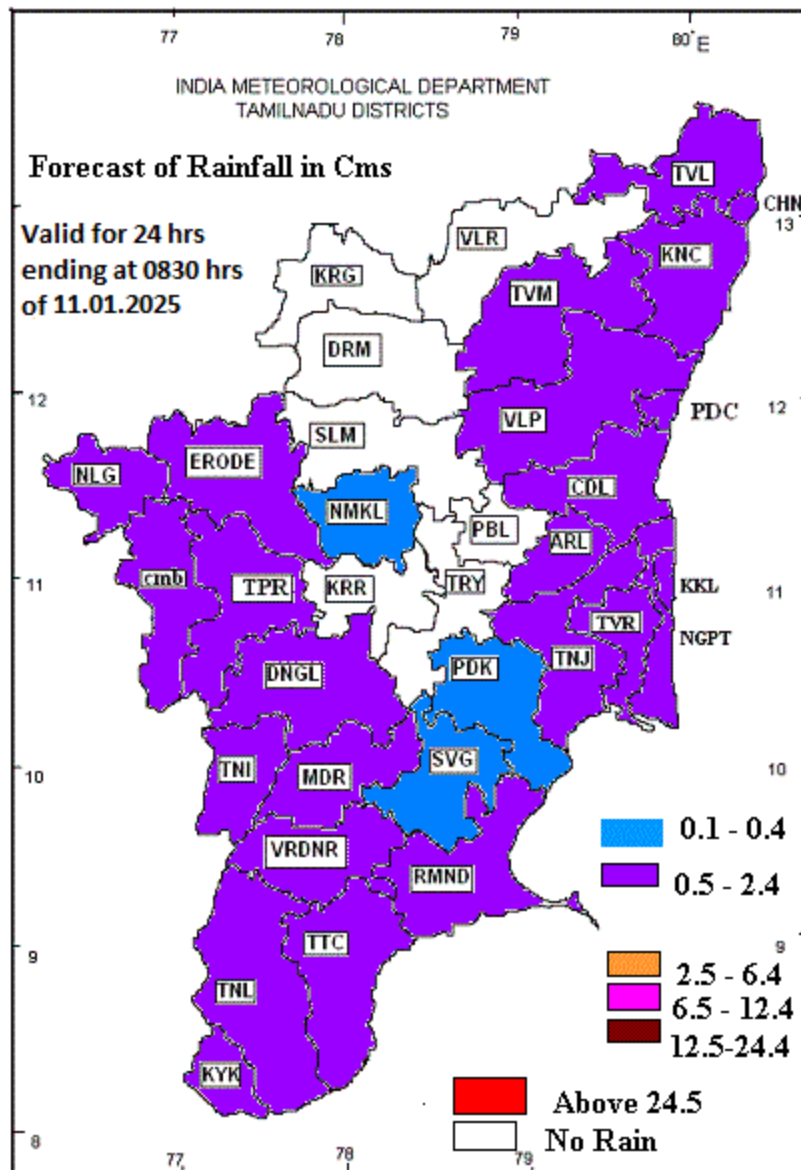
05.01.25 : Nil

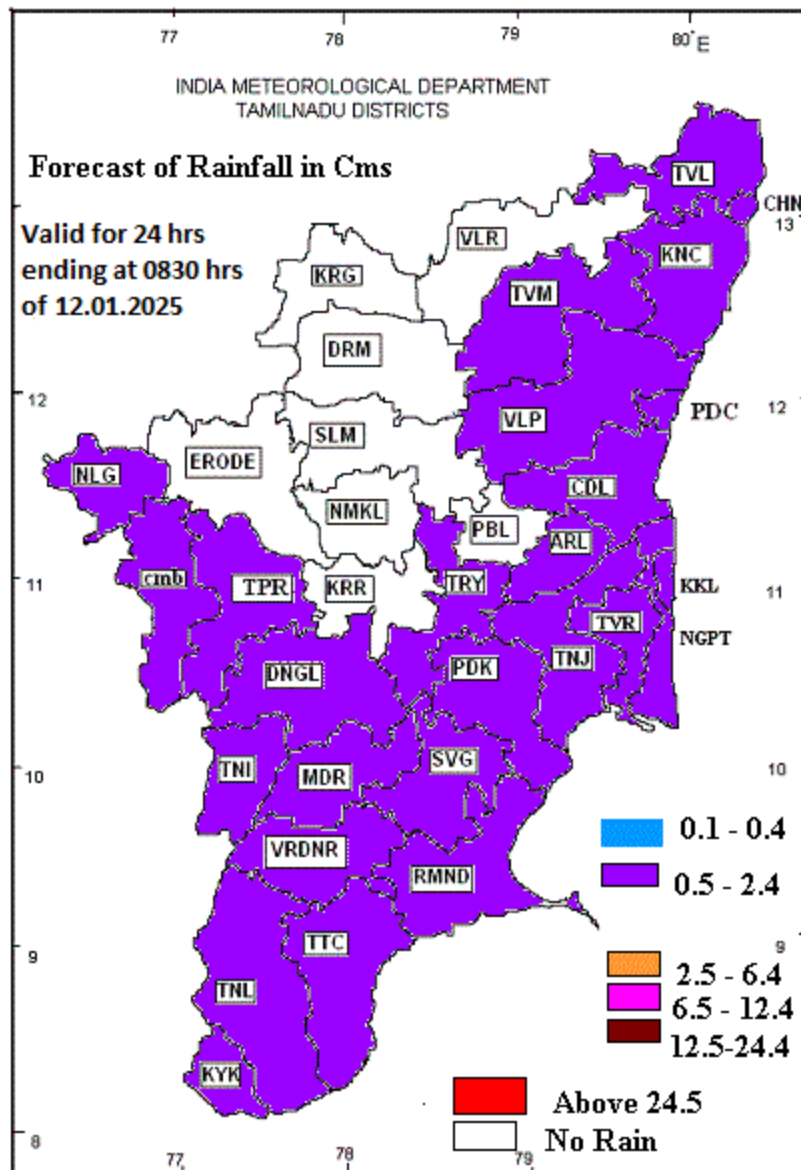
06.01.25 : Nil

**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 07.01.25
VALID FOR THE NEXT 5 DAYS**









District-wise Agromet Advisories

Chennai, Kancheepuram, Villupuram, Tiruvannamalai, Tiruvallur, Vellore and Cuddalore

SMS Advisory:

(08.01.2025-12.01.2025) Mist/ Haze conditions are very likely to prevail at isolated pockets of Tamil Nadu during morning hours.

Livestock Advisory:

1. Livestock must be give medicated bath to avoid ectoparasite infestation. Moreover dipping must be done on a sunny day.
2. The surplus fodder available must be preserved as silage for summer feeding.
3. The livestock must be provided in clean wholesome drinking water
4. To prevent water stagnation proper drainage must be provided in livestock shelter.
5. Scabies affected rabbits must be isolated and treated. The cage must be disinfected with flame gun.
6. Newly born piglets must be protected from cold drafts
7. To prevent the methane and ammonia accumulation in pig sty provision of proper ventilation is necessary.
8. The chicks must be given artificial heat (1 watt / chick or coal brooder for every 200 chicks for first 2 weeks of age).
9. Add 5% shell grit in laying hens for optimum egg production.

Agricultural advisory Rice:

Due to prevailing weather conditions leaf folder and stem borer infestation found in paddy crop. To manage them, spray carbosulfan 400 ml/ac or cartap hydrochloride 600 g/ac during morning or evening hours.

Due to prevailing weather conditions favorable, blast infection is found in paddy crop. To manage the blast, spray tricyclazole 75% WP 200 g/acre or carbendazim 50WP @ 200g/acre (or) azoxystrobin 25 SC @ 200 ml/acre at morning or evening time.

The forecasted weather may cause stem borer and leaf folder infestation in rice crop. The farmers are advised to monitor the field, if symptoms are observed it's advised to spray Chlorantraniliprole 18.5% 150 ml/ha.

Groundnut:

Drain out excess water in groundnut field and resowing of same variety in cyclone affected fields.

In groundnut there are possibilities of stemrot infestation. For management farmers are advised to application of Trichoderma viride @2.5 kg/ha, mixed with 50 kg FYM.

Cotton:

Due to prevailing weather conditions, there are chances of cotton root rot infection. To control spot drench with carbendazim 1.0 g/l.

Cashew:

To control tea mosquito bug first spraying with thiamethoxam 25% WG (100 g/ha) at flushing stage, second spraying with chlorpyrifos 2.0 ml/lit at flowering and third spraying with profenophos 1.0 ml/lit at fruit set stage.

Banana:

Prevailing weather condition is favorable for sigatoka leaf spot infection in banana. To control spray carbendazim 1.0 g/l or propiconazole 1.0 ml/l or mancozeb 2.5 g/l and sticking agent 1.0 ml/l at 10-15 day intervals.

Prevailing weather condition is favorable for panama wilt and nematode infection in banana. To control apply *Bacillus subtilis* 1.0 kg/ha + *Paecilomyces lilacinus* 1.0 kg/ha at 2, 4 and 6th months of planting.

Coimbatore

Crop	Stage	Advisory
General		Light to Moderate rainfall for the next five days and the wind speed is expected to be around up to 04-10 kmph in Western zone districts. Irrigation may be given to all crops based on soil moisture.
Rice	Flowering & Harvest	Favourable temperature and relative humidity, may induce bacterial leaf blight in rice crop. To control spray Streptomycin sulphate + Tetracycline combination at 300 g + Copper oxychloride 1250 g/ha or Copper hydroxide 2g/lit of water. If necessary, repeat 15 days later.
Sorghum & Maize	Land preparation	Considering the favourable weather, land preparation may be done for Thai pattam (Jan) irrigated sorghum and maize sowing.
Groundnut		Considering the best season for sowing of irrigated groundnut, seed sowing may be taken up under irrigated condition.
Sugarcane		Since the dry spell is anticipated, prepare the land for planting early season sugarcane.
Brinjal	sowing	Considering the best season for sowing of Brinjal in raised bed may be done after treating with <i>Trichoderma viride</i> @ 4gm / kg of seeds.
Tapioca		In the irrigated tapioca preventing temperature and humidity may be favourable for to manage the disease cercospora leaf. Spray mancozeb 2g/lit twice at 15 days interval.
Grapes		Pruning of grapes for summer crop is advised during this season.
Animal Husbandry		Provide adequate clean drinking water to avoid thirstiness in animals during cool winter. Present weather permits the prevalence of anthrax disease in cattle especially in the villages near the Western Ghats. Get vaccinated from nearby veterinary hospitals. Night temperature is expected below 20°C, poultry and animals sheds should be protected from chilling by hanging Jute bags in the side walls of the sheds.

SMS advisory:

Night temperature is expected below 20°C, poultry and animals sheds should be protected from chilling by hanging Jute bags in the side walls of the sheds.

Erode

Crop	Stage	Advisory
General		Dry weather is expected on 09.01.2025, 10.01.25 & 12.01.25 for the days and the wind speed is expected to be around up to 04-10 kmph in Western zone districts. Irrigation may be given to all crops based on soil moisture.
Rice	Flowering & Harvest	Favourable temperature and relative humidity, may induce bacterial leaf blight in rice crop. To control spray Streptomycin sulphate + Tetracycline combination at 300 g + Copper oxychloride 1250 g/ha or Copper hydroxide 2g/lit of water. If necessary, repeat 15 days later.
Sorghum & Maize	Land preparation	Considering the favourable weather, land preparation may be done for Thai pattam (Jan) irrigated sorghum and maize sowing.
Groundnut		Considering the best season for sowing of irrigated groundnut, seed sowing may be taken up under irrigated condition.
Sugarcane		Since the dry spell is anticipated, prepare the land for planting early season sugarcane.
Brinjal	sowing	Considering the best season for sowing of Brinjal in raised bed may be done after treating with Trichoderma viride @ 4gm / kg of seeds.
Chillies	Flowering	Prevailing weather conditions are favorable for the powdery mildew disease in chillies. Spray Wettable Sulphur 3 g/lit or Carbendazim 1 g/lit, two sprays at 15 days interval from the first appearance of symptom.
Tapioca		In the irrigated tapioca preventing temperature and humidity may be favourable for to manage the disease cercospora leaf. Spray mancozeb 2g/lit twice at 15 days interval.
Animal Husbandry		Provide adequate clean drinking water to avoid thirstiness in animals during cool winter. Present weather permits the prevalence of anthrax disease in cattle especially in the villages near the Western Ghats. Get vaccinated from nearby veterinary hospitals. Night temperature is expected below 20°C, poultry and animals sheds should be protected from chilling by hanging Jute bags in the side walls of the sheds.

SMS advisory:

Night temperature is expected below 20°C, poultry and animals sheds should be protected from chilling by hanging Jute bags in the side walls of the sheds.

Tiruppur

Crop	Stage	Advisory
General		Dry weather is expected on 10.01.25 for the one day and the wind speed is expected to be around up to 04-10 kmph in Western zone districts. Irrigation may be given to all crops based on soil moisture.
Rice	Flowering & Harvest	Favourable temperature and relative humidity, may induce bacterial leaf blight in rice crop. To control spray Streptomycin sulphate + Tetracycline combination at 300 g + Copper oxychloride 1250 g/ha or Copper hydroxide 2g/lit of water. If necessary, repeat 15 days later.

Sorghum & Maize	Land preparation	Considering the favourable weather, land preparation may be done for Thai pattam (Jan) irrigated sorghum and maize sowing.
Sugarcane		Since the dry spell is anticipated, prepare the land for planting early season sugarcane.
Brinjal	sowing	Considering the best season for sowing of Brinjal in raised bed may be done after treating with <i>Trichoderma viride</i> @ 4gm / kg of seeds.
Chillies	Flowering	Prevailing weather conditions are favorable for the powdery mildew disease in chillies. Spray Wettable Sulphur 3 g/lit or Carbendazim 1 g/lit, two sprays at 15 days interval from the first appearance of symptom.
Animal Husbandry		Provide adequate clean drinking water to avoid thirstiness in animals during cool winter. Present weather permits the prevalence of anthrax disease in cattle especially in the villages near the Western Ghats. Get vaccinated from nearby veterinary hospitals. Night temperature is expected below 20°C, poultry and animals sheds should be protected from chilling by hanging Jute bags in the side walls of the sheds.

SMS advisory:

Night temperature is expected below 20°C, poultry and animals sheds should be protected from chilling by hanging Jute bags in the side walls of the sheds.

Ariyalur, Karur, Nagapattinam, Perambalur, Thanjavur, Tiruvarur and Tiruchirapalli

General		Link the drainage channel with farm ponds towards efficient water drainage besides the rain water storage.
Rice		The prevailing weather condition is favourable for gall midge infection. It leads to the formation of onion like leaf and prevents panicle formation. To control this apply chloripyriphos 20 EC 500 ml/ha or Beauveria bassiana 5 gram / 1 litter after rain cessation.
		If leaf folder symptoms found (folded leaf, white scrape on leaf) avoid excessive nitrogenous fertilizers, remove weeds and Release Trichogramma chilonis @2 cc (40,000/ ac). Spray Phosalone 35 EC 600 ml/ha or Carbosulfan 6% G 16.7 kg/ha or Cartaphydrochloride 50 % SP 1000 g/ha.
Cattle	Cow and Goat	The prevailing night time temperature is favorable for pneumonia formation in cattle. To reduce the risk of pneumonia, cow, goat and calves shouldn't be left out in open condition during night. A suitable night time shelter with enough heating provision must be given.

SMS advisory Link the drainage channel with farm ponds towards efficient water drainage besides the rain water storage.

Dindigul

SMS Advisory	Chances of Moderate rain during 8, 9, 10, 11 & 12 Jan. Maximum temperature would be in the range of 30°C to 31°C and the minimum temperature would be between 19°C - 20°C. Partly cloudy sky will appear for the next five days. Wind is expected with the speed of 4-12 Kmph from, Northeast direction.
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General Advisory:

Extended range Forecast for next week (10th to 16th January 2025):

Rainfall:

As per extended range predictions, there is possibility of above normal rainfall likely over the district during 10th to 16th January 2025.

Maximum Temperature:

Maximum temperatures are likely to be generally near normal to slightly below normal and are likely to be in the range 24°C to 30°C over the plains of the district during next week. 10th to 16th January 2025.

Minimum Temperature:

Minimum temperatures are likely to be slightly above normal and are likely to be in the range 16°C to 20°C over the district during next week 10th to 16th January 2025.

Mist / Haze is very likely to prevail during the night and early morning hours. Hence, cattle / goats, cows and calves, may allowed to graze after 08.00Am in the morning. Tie the jute bags around the shed .Since the dew, laden grass may be a carrier of intermediate host of flukes.

Weather Based Agro-Advisories: (Chilly, Cotton, Sunflower & Animal Husbandry)

Chilly:

The occurrence of powdery mildew may be seen in chilly. due to the incense of powdery mildew, shedding of foliage, and white powdery growth on the lower side of leaves.

To control this spray wettable sulphur @ 25gm per tank or Hexaconazole @ 25ml per 10 litres of water. Spraying activities can be done during the non-rainy days.

Cotton:

Due to the prevailing weather condition, flower and fruit dropping is observed in irrigated winter cotton due to continuous low temperatures.

To control this, farmers are advised to spray NAA @ 40 PPM.

Sunflower:

Leafhoppers may be widespread in the sunflower crop. Young insects and adults suck the sap of the crop. The leaves turn pale yellow and the leaves curl inwards during the intense attack. The leaf edges turn pinkish brown.

To control this, spray Imidacloprid 70% WS @ 490 ml/ha.

To avoid these pests, as a preventive measure, seed treatment should be done before sowing by mixing Imidacloprid 70% WS @ 7g per kg of seed. So that there will be no pest attack on the crop for 7 weeks

Animal Husbandry:

To prevent the chicks from Ranikhet disease, poultry farmers are advised to vaccinate the 6-week-old Chiks. RDVK Vaccination confers immunity for 1 to 3 years.

Madurai

SMS Advisory	Chances of Moderate rain on 8, 11 Jan & light rain on 10, 12 Jan. Maximum temperature would be in the range of 30°C to 31°C and the minimum temperature would be between 19°C - 20°C. Partly cloudy sky will appear for the next five days. Wind is expected with the speed of 4-12 Kmph from, Northeast direction.
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General Advisory:

Extended range Forecast for next week (10th to 16th January 2025):

Rainfall:

As per extended range predictions, there is possibility of above normal rainfall likely over the district during 10th to 16th January 2025.

Maximum Temperature:

Maximum temperatures are likely to be generally near normal to slightly below normal and are likely to be in the range 24°C to 30°C over the plains of the district during next week. 10th to 16th January 2025.

Minimum Temperature:

Minimum temperatures are likely to be slightly above normal and are likely to be in the range 16°C to 20°C over the district during next week 10th to 16th January 2025.

Mist / Haze is very likely to prevail during the night and early morning hours. Hence, cattle / goats, cows and calves, may allowed to graze after 08.00Am in the morning. Tie the jute bags around the shed .Since the dew, laden grass may be a carrier of intermediate host of flukes.

Weather Based Agro-Advisories: (Guava, Paddy & Animal Husbandry)

Guava:

The occurrence of the Guava nematode was noticed in the Guava crop. The symptoms are, the young plants in the nematode-infested field show yellowing, wilting, drying of branches, and galls in the root, and reduced vigour.

Farmers are advised to use nematode-free grafts and layers for planting by checking for galls if any.

Apply neem cake @ 400kg/ha and intercrop with marigold.

Also, apply bio-agent *Purpureocillium lilacinum* @ 1 kg per 100 kg FYM. Mix well, moisten, and store in shade for 2 - 3 weeks and apply @ 500g - 1 kg per plant during the morning or evening hours in 3-month intervals.

Paddy:

The incidence of false smut may notice in rice. The damage symptoms are, individual rice grain transformed into a mass of yellow fruiting bodies and infected grain has greenish smut balls with a velvety appearance.

If symptoms observed in the field, spray Propiconazole 25 EC @ 200 ml/acre or Copper hydroxide 77% WP 500 gm/acre with 200 litres of water.

Animal Husbandry:

To prevent the chicks from Ranikhet disease, poultry farmers are advised to vaccinate the 6-week-old Chiks. RDVK Vaccination confers immunity for 1 to 3 years.

Pudukottai

SMS Advisory	Chances of Moderate rain on 8, 12 Jan & light rain on 10, 11 Jan. Maximum temperature would be in the range of 29°C to 30°C and the minimum temperature would be between 20°C - 21°C. Partly cloudy sky will appear for the next five days. Wind is expected with the speed of 4-15 Kmph from, Northeast direction.
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General Advisory:

Extended range Forecast for next week (10th to 16th January 2025):

Rainfall:

As per extended range predictions, there is possibility of above normal rainfall likely over the district during 10th to 16th January 2025.

Maximum Temperature:

Maximum temperatures are likely to be generally near normal to slightly below normal and are likely to be in the range 24°C to 30°C over the coastal of the district during next week. 10th to 16th January 2025.

Minimum Temperature:

Minimum temperatures are likely to be slightly above normal and are likely to be in the range 20°C to 24°C over the district during next week 10th to 16th January 2025.

Mist / Haze is very likely to prevail during the night and early morning hours. Hence, cattle / goats, cows and calves, may allowed to graze after 08.00Am in the morning. Tie the jute bags around the shed .Since the dew, laden grass may be a carrier of intermediate host of flukes.

Weather Based Agro-Advisories: (Tomato, Paddy & Animal Husbandry)

Tomato:

The incidence of Bacterial wilting was noticed in the Tomato field. Characteristic symptoms of bacterial wilt are rapid and complete wilting of normally grown-up plants. Lower leaves may drop before wilting.

It may invade the cortex and pith and cause yellowish-brown discolouration of tissues.

To manage this, avoid damage to seedlings while transplanting and apply bleaching powder @ 10 kg/ha.

Keeping the Crop rotations, viz., Okra-cowpea-maize, maize- cowpea-maize and finger millet-egg plants are reported effective in reducing bacterial wilt of tomato.

Paddy:

The incense of Brown Spot disease expected in Paddy. The disease appears first as minute brown dots later becoming cylindrical or oval to circular on leaves. Spots coalesce to form large patches leading to the leaf drying up.

Infection also occurs on the panicle and neck with a brown color appearance.

To control spray Metominostrobin @ 500ml /acre.

Crop protection activities such as application of fertilizers and spraying of pesticides should be carried out only on non-rainy days.

Animal Husbandry:

To prevent the chicks from Ranikhet disease, poultry farmers are advised to vaccinate the 6-week-old Chiks. RDVK Vaccination confers immunity for 1 to 3 years.

Ramanathapuram

SMS	Chances of Moderate rain during 8, 9, 11 & 12 Jan. Maximum temperature would
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Advisory	be in the range of 31°C to 32°C and the minimum temperature would be between 22°C - 23°C. Partly cloudy sky will appear for the next five days. Wind is expected with the speed of 10-12 Kmph from, Northeast direction.
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General Advisory:

Extended range Forecast for next week (10th to 16th January 2025):

Rainfall:

As per extended range predictions, there is possibility of above normal rainfall likely over the district during 10th to 16th January 2025.

Maximum Temperature:

Maximum temperatures are likely to be generally near normal to slightly below normal and are likely to be in the range 24°C to 30°C over the coastal of the district during next week. 10th to 16th January 2025.

Minimum Temperature:

Minimum temperatures are likely to be slightly above normal and are likely to be in the range 20°C to 24°C over the district during next week 10th to 16th January 2025.

Mist / Haze is very likely to prevail during the night and early morning hours. Hence, cattle / goats, cows and calves, may allowed to graze after 08.00Am in the morning. Tie the jute bags around the shed .Since the dew, laden grass may be a carrier of intermediate host of flukes.

Weather Based Agro-Advisories: (Paddy, Cotton & Animal Husbandry)

Paddy:

Due to the prevailing weather condition, incidence of brown plant hopper is expected in rice.

In infested paddy crop the leaves are dry and the upper part of the leaves appear scorched. During severe infestation, the entire crop appears burnt.

If brown plant hopper symptoms are observed in field, spray Pymetrozine 50% WG @ 120gm/acre or Acephate 75 SP @ 250 gm/acre with 200 litre of water.

Cotton:

The incense of Thrips seen in cotton. The symptoms are, shriveling of leaves due to scrapping of the epidermis and de-sapping.

Attacked terminal buds have ragged edges. A silvery shiny appearance seems under the surface of the leaves.

To control, spray Imidacloprid 200 SL @ 100 ml/acre.

Animal Husbandry:

To prevent the chicks from Ranikhet disease, poultry farmers are advised to vaccinate the 6-week-old Chiks. RDVK Vaccination confers immunity for 1 to 3 years.

Sivagangai

SMS Advisory	Chances of Moderate rain during 8, 10, 12 Jan & light rain on 11 Jan. Maximum temperature would be in the range of 30°C to 31°C and the minimum temperature
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	would be between 19°C - 20°C. Partly cloudy sky will appear for the next five days. Wind is expected with the speed of 4-12 Kmph from, Northeast direction.
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General Advisory:

Extended range Forecast for next week (10th to 16th January 2025):

Rainfall:

As per extended range predictions, there is possibility of above normal rainfall likely over the district during 10th to 16th January 2025.

Maximum Temperature:

Maximum temperatures are likely to be generally near normal to slightly below normal and are likely to be in the range 24°C to 30°C over the plains of the district during next week. 10th to 16th January 2025.

Minimum Temperature:

Minimum temperatures are likely to be slightly above normal and are likely to be in the range 16°C to 20°C over the district during next week 10th to 16th January 2025.

Mist / Haze is very likely to prevail during the night and early morning hours. Hence, cattle / goats, cows and calves, may allowed to graze after 08.00Am in the morning. Tie the jute bags around the shed .Since the dew, laden grass may be a carrier of intermediate host of flukes.

Weather Based Agro-Advisories: (Tomato, Maize & Animal Husbandry)

Tomato:

Tomato crops are susceptible to Tomato spotted wilt disease, which can cause streaking of leaves, stems, and fruits.

Numerous small, dark, circular spots appear on younger leaves. Leaves may have a bronzed appearance and later turn dark brown and wither.

Fruits show numerous spots about one-half inch in diameter with concentric, circular markings. On ripe fruit, these markings are alternate bands of red and yellow.

The disease transmitted through Thrips, which act as vectors. Remove and destroy the affected plants, and raise Barrier crops.

To control the vector, spray Imidachlopride @ 5ml or any systemic insecticide with sufficient water.

Maize:

There is a chance of incense of Fall Armyworm in Maize fields. It spreads widely in the field. The larvae feed on the young growing shoots resulting in heavy shoot damage.

To control this, install the Pheromone trap @ 6 Nos. per acre.

Also, Erect bird perches @ 10 Nos.per acre.

Add Metarhizium Anisopliae or Beauveria bassiana @ 70 gms or 70 ml per 10 litres of water with Jaggery @ 50gms and Sticky agent @ 10ml, stir well, remove the nozzle and spray the solution on the top of the shoot during the non-rainy days.

Or using the chemical method, spray the following insecticides Emamectin benzoate 5SG @10gm (Promactin) and Permethrin @ 25 ml + 10 ml Sticky agent with 10 litres of water, stir well and spray the solution on the top of the shoot during the non-rainy days.

Animal Husbandry:

To prevent the chicks from Ranikhet disease, poultry farmers are advised to vaccinate the 6-week-old Chiks. RDVK Vaccination confers immunity for 1 to 3 years.

Theni

SMS Advisory	Chances of Moderate rain during 8, 9, 10, 11 & 12 Jan. Maximum temperature would be in the range of 30°C to 31°C and the minimum temperature would be between 19°C - 20°C. Partly cloudy sky will appear for the next five days. Wind is expected with the speed of 4-12 Kmph from, Northeast direction.
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General Advisory:

Extended range Forecast for next week (10th to 16th January 2025):

Rainfall:

As per extended range predictions, there is possibility of above normal rainfall likely over the district during 10th to 16th January 2025.

Maximum Temperature:

Maximum temperatures are likely to be generally near normal to slightly below normal and are likely to be in the range 24°C to 30°C over the plains of the district during next week. 10th to 16th January 2025.

Minimum Temperature:

Minimum temperatures are likely to be slightly above normal and are likely to be in the range 16°C to 20°C over the district during next week 10th to 16th January 2025.

Mist / Haze is very likely to prevail during the night and early morning hours. Hence, cattle / goats, cows and calves, may allowed to graze after 08.00Am in the morning. Tie the jute bags around the shed .Since the dew, laden grass may be a carrier of intermediate host of flukes.

Weather Based Agro-Advisories: (Groundnut, Coriander & Animal Husbandry)

Groundnut:

At this stage, to increase the flower retention and pod filling in Groundnut crop. Two sprays of groundnut rich @ 5kg/ha (for each spray) at 35 DAS and 45 DAS with 500 litres of water is recommended.

Coriander:

The incense of Powdery Mildew was noticed in the Coriander crop. The symptoms are small white spots that appear on the leaf surface and later cover the entire surface.

Powdery growth can be seen on petiole and umbels. Under severe infection, an ashy-white appears on the plants.

To control this, spray 5gms of Pseudomonas, 5gms of Bacillus Subtilis, 10gm of Garlic paste per litre of water along with a sticky agent.

Animal Husbandry:

To prevent the chicks from Ranikhet disease, poultry farmers are advised to vaccinate the 6-week-old Chiks. RDVK Vaccination confers immunity for 1 to 3 years.

Virudhunagar

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Farmers are advised to irrigate on crop need basis.
Rainfed & irrigated crops	Rainfall	To prevent crop damage from continuous rainfall, farmers are advised to ensure proper drainage systems to avoid water stagnation in the fields.
Rainfed crops	Rainfall	Spraying to be practiced based on local weather conditions.
Rainfed & irrigated crops	Relative humidity	An increase in relative humidity increases the risk of diseases. Hence, farmers are advised to monitor their fields and take appropriate preparatory measures accordingly.
Cotton	Square formation to Boll bursting stage	Precaution may be taken to avoid water stagnation in the field. High relative humidity coupled with cloudy weather chance for Cercospora leaf spot. To control spray Copper oxychloride @ 500 g/ acre.
Paddy	Vegetative stage	Maintain an appropriate water level to prevent crop damage. Temperature of 25-30oC with above 80 per cent relative humidity is highly favourable for Brown Spot. To control spray Mancozeb 500 g.
	Panicle initiation stage	Maintain the water level to avoid crop damage and application of fertilizer based on the local weather.
Chilli	Flowering stage	Ensure proper drainage systems to avoid water stagnation. Provide drainage facilities to avoid damping off infection. If symptoms persist soil drenching with copper oxychloride @2.5g/lit. may be practiced.
Onion		Continuous rain or high-intensity rainfall leads to waterlogged conditions, which can result in soft rot and basal rot. To manage this, practice soil trenching with copper hydroxide @ 2.5 g per liter of water.
Live stock	Relative humidity	Increase in relative humidity chance for disease spread. Animals for grazing may be taken after sunrise.

Rain: 8-12.01-20,5,5,14&12 mm. Ensure proper drainage. Onion - soft rot and basal rot- practice soil trenching with copper hydroxide @ 2.5 g per liter of water.

Tirunelveli

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Farmers are advised to postpone the irrigation for next five days.
Rainfed crops	Rainfall	To prevent crop damage from continuous rainfall, farmers are advised to ensure proper drainage systems to avoid water stagnation in the fields.
Rainfed & irrigated crops	Rainfall	Postpone spraying.
Paddy	Vegetative	❖ Maintain an appropriate water level to prevent crop lodging.

	stage	❖ Temperature of 25-30°C with above 80 per cent relative humidity is highly favourable for Brown Spot. To control spray Mancozeb 500 g.
Sugarcane	All the stages	Continuous rainfall may lodge the crop; hence, farmers are advised to provide support by propping and to practice earthing up.
Live stock	Relative humidity	Increase in relative humidity chance for disease spread. Animals for grazing may be taken after sunrise.

SMS: Rain: 8-12.01-22, 5,4,20 &20 mm. Ensure proper drainage. Paddy – Brown Spot-spray Mancozeb 500 g.

Thoothukudi

Crop	Stage	Agromet Advisory
Irrigated crops	Irrigation management	Farmers are advised to postpone the irrigation.
Rainfed crops	Rainfall	To prevent crop damage from continuous rainfall, farmers are advised to ensure proper drainage systems to avoid water stagnation in the fields.
Rainfed & irrigated crops	Rainfall	Postpone spraying.
Rainfed & irrigated crops	Relative humidity	An increase in relative humidity increases the risk of diseases. Hence, farmers are advised to monitor their fields and take appropriate preparatory measures accordingly.
Pulses	Maturity stage	Harvest the pods immediately and store it safely to prevent fungal spread.
Paddy	Vegetative stage	Maintain an appropriate water level to prevent crop damage. Temperature of 25-30°C with above 80 per cent relative humidity is highly favourable for Brown Spot. To control spray Mancozeb 500 g.
Chilli	Flowering stage	Ensure proper drainage systems to avoid water stagnation Avoid spraying and provide drainage facilities to avoid damping off infection. If symptoms persist soil drenching with copper oxychloride 2.5g/lit. may be practiced.
Cotton	Flowering & square formation stage	Precaution may be taken to avoid water stagnation in the field. High relative humidity coupled with cloudy weather chance for Cercospora leaf spot. To control spray Copper oxychloride @ 500 g/ acre.
Banana	All stages	Earthing up should be practiced to avoid lodging
Live stock	Relative humidity	Increase in relative humidity chance for disease spread. Animals for grazing may be taken after sunrise.
	Disease forecast for the month January	Anthrax Livestock -Very High Risk-Preventive Measures: Ring vaccination and report of disease is advised. Vaccination to be done in consultation with the veterinarians and as decided by state animal husbandry authorities. Strict biosecurity measures May be followed. Carcass May be disposed by deep burying covered with lime powder. Contaminated area May be disinfected with 4% formalin or 10% caustic soda. Grazing area May be restricted. African Swine Fever - Very High Risk- Risk-Preventive Measures: depopulate all affected and exposed animals.
Human	Rainfall	The public is requested to carry umbrellas or raincoats and take preventive measures against the cold.

SMS: Rain.8-12.01-24,5,10,18 &15 mm. Ensure proper drainage. Pulses-pods may be harvested immediately and kept safe. Cotton-leaf spot- spray Copper oxychloride @ 500 g/ acre.

Kanyakumari

AGRO ADVISORIES

S. N.	CROP	STAGES	ADVISORIES
1.	Horticultural crops.	All stages	Basins can be formed for all tree crops and coir compost should be applied to conserve moisture in banana, pepper, clove, nutmeg, cinnamon and coconut.
2.	Pepper	All stages	Pepper rooted cuttings can be planted if there is sufficient soil moisture.
3.	Cocoa	All stages	Weeding, earthing up and mulching is done on need basis.
4.	Banana	All stages	Wind speed is anticipated and so it is advised to provide mechanical support to banana to avoid lodging.
5.	Tree spices	Vegetative stages	Avoid moisture loss by the application of mulching in tree spices field through farm waste materials.

SMS Advisory:

Husk burial can be done in coconut basins or in the interspaces to preserve rain water.

Salem

WEATHER ADVISORY BULLETIN FOR LIVESTOCK, POULTRY AND AGRICULTURE

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	General	In Tamil Nadu, more number of canine distemper is reported in dogs during winter season (November to January). Dogs of all age groups are susceptible to this disease but puppies of less than six months are commonly affected. Eighty eight per cent of the canine distemper cases are being reported in dogs not unvaccinated against this disease. Fever, inappetance, vomiting, haemorrhagic diarrhoea, thick mucus like discharge from eyes and nose, seizures, not able to bear weight on limbs are the common clinical signs seen in dogs affected with canine distemper. Treatment of dogs showing nervous signs mainly seizures

		<p>usually not successful. Hence, vaccination of dogs against canine distemper is the best method for prevention of this disease.</p> <p>As a first step in disease prevention, the puppies should be weaned only at their one and half month (45th day) age. Before weaning, puppies should be vaccinated at 42nd days of age with combined vaccine against canine parvovirus, canine distemper, leptospirosis, infectious canine hepatitis and canine para-influenza. Followed by two booster vaccines should be given at an interval of 21 days. Annual booster vaccination should be given every year preferably before March month. Puppies should be dewormed before vaccination as per the recommendation of veterinarian.</p>
Agro advisory from Krishi Vigyan Kendra, Namakkal		
Mango	Flowering stage	Farmers are advised to give foliar spraying with Mango Special @ 3 – 5 gram per litre of water along with sticking agent @ 0.25 ml per litre at one month interval to improve the yield of mango.
Coconut	Vegetative Stage	To improve the yield of coconut, apply coconut micro nutrient mixture @1 kg per tree. The same may be enriched with 10 kg of farm yard manure and apply the same at 3 feet away from the trunk of the tree.
Crops	General	To improve the organic carbon status as well as water holding capacity in soil, farmers are requested to incorporate the plant residues in the same field instead of burning and dumping as waste in outside the field.

Namakkal

WEATHER ADVISORY BULLETIN FOR LIVESTOCK, POULTRY AND AGRICULTURE

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	General	<p>In Tamil Nadu, more number of canine distemper is reported in dogs during winter season (November to January). Dogs of all age groups are susceptible to this disease but puppies of less than six months are commonly affected. Eighty eight per cent of the canine distemper cases are being reported in dogs not unvaccinated against this disease. Fever, inappetance, vomiting, haemorrhagic diarrhoea, thick mucus like discharge from eyes and nose, seizures, not able to bear weight on limbs are the common clinical signs seen in dogs affected with canine distemper. Treatment of dogs showing nervous signs mainly seizures usually not successful. Hence, vaccination of dogs against canine distemper is the best method for prevention of this disease.</p> <p>As a first step in disease prevention, the puppies should be weaned only at their one and half month (45th day) age. Before weaning, puppies should be vaccinated at 42nd days of age with combined vaccine against canine parvovirus, canine distemper, leptospirosis, infectious canine hepatitis and canine para-influenza. Followed by two booster vaccines should be given at an interval of 21 days. Annual booster vaccination should be given every year preferably before March month. Puppies should be dewormed before vaccination as per the recommendation of veterinarian.</p>
Agro advisory from Krishi Vigyan Kendra, Namakkal		

Mango	Flowering stage	Farmers are advised to give foliar spraying with Mango Special @ 3 – 5 gram per litre of water along with sticking agent @ 0.25 ml per litre at one month interval to improve the yield of mango.
Coconut	Vegetative Stage	To improve the yield of coconut, apply coconut micro nutrient mixture @1 kg per tree. The same may be enriched with 10 kg of farm yard manure and apply the same at 3 feet away from the trunk of the tree.
Crops	General	To improve the organic carbon status as well as water holding capacity in soil, farmers are requested to incorporate the plant residues in the same field instead of burning and dumping as waste in outside the field.

Dharmapuri

WEATHER ADVISORY BULLETIN FOR LIVESTOCK, POULTRY AND AGRICULTURE

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	General	<p>In Tamil Nadu, more number of canine distemper is reported in dogs during winter season (November to January). Dogs of all age groups are susceptible to this disease but puppies of less than six months are commonly affected. Eighty eight per cent of the canine distemper cases are being reported in dogs not unvaccinated against this disease. Fever, inappetance, vomiting, haemorrhagic diarrhoea, thick mucus like discharge from eyes and nose, seizures, not able to bear weight on limbs are the common clinical signs seen in dogs affected with canine distemper. Treatment of dogs showing nervous signs mainly seizures usually not successful. Hence, vaccination of dogs against canine distemper is the best method for prevention of this disease.</p> <p>As a first step in disease prevention, the puppies should be weaned only at their one and half month (45th day) age. Before weaning, puppies should be vaccinated at 42nd days of age with combined vaccine against canine parvovirus, canine distemper, leptospirosis, infectious canine hepatitis and canine para-influenza. Followed by two booster vaccines should be given at an interval of 21 days. Annual booster vaccination should be given every year preferably before March month. Puppies should be dewormed before vaccination as per the recommendation of veterinarian.</p>

Agro advisory from Krishi Vigyan Kendra, Namakkal

Mango	Flowering stage	Farmers are advised to give foliar spraying with Mango Special @ 3 – 5 gram per litre of water along with sticking agent @ 0.25 ml per litre at one month interval to improve the yield of mango.
Coconut	Vegetative Stage	To improve the yield of coconut, apply coconut micro nutrient mixture @1 kg per tree. The same may be enriched with 10 kg of farm yard manure and apply the same at 3 feet away from the trunk of the tree.
Crops	General	To improve the organic carbon status as well as water holding capacity in soil, farmers are requested to incorporate the plant residues in the same field instead of burning and dumping as waste in outside the field.

Krishnagiri

WEATHER ADVISORY BULLETIN FOR LIVESTOCK, POULTRY AND AGRICULTURE

Livestock, Poultry & Crop	Stage	Weather advisory
Livestock	General	<p>In Tamil Nadu, more number of canine distemper is reported in dogs during winter season (November to January). Dogs of all age groups are susceptible to this disease but puppies of less than six months are commonly affected. Eighty eight per cent of the canine distemper cases are being reported in dogs not unvaccinated against this disease. Fever, inappetance, vomiting, haemorrhagic diarrhoea, thick mucus like discharge from eyes and nose, seizures, not able to bear weight on limbs are the common clinical signs seen in dogs affected with canine distemper. Treatment of dogs showing nervous signs mainly seizures usually not successful. Hence, vaccination of dogs against canine distemper is the best method for prevention of this disease.</p> <p>As a first step in disease prevention, the puppies should be weaned only at their one and half month (45th day) age. Before weaning, puppies should be vaccinated at 42nd days of age with combined vaccine against canine parvovirus, canine distemper, leptospirosis, infectious canine hepatitis and canine para-influenza. Followed by two booster vaccines should be given at an interval of 21 days. Annual booster vaccination should be given every year preferably before March month. Puppies should be dewormed before vaccination as per the recommendation of veterinarian.</p>
Agro advisory from Krishi Vigyan Kendra, Namakkal		
Mango	Flowering stage	Farmers are advised to give foliar spraying with Mango Special @ 3 – 5 gram per litre of water along with sticking agent @ 0.25 ml per litre at one month interval to improve the yield of mango.
Coconut	Vegetative Stage	To improve the yield of coconut, apply coconut micro nutrient mixture @1 kg per tree. The same may be enriched with 10 kg of farm yard manure and apply the same at 3 feet away from the trunk of the tree.
Crops	General	To improve the organic carbon status as well as water holding capacity in soil, farmers are requested to incorporate the plant residues in the same field instead of burning and dumping as waste in outside the field.

Karaikal

Agro Advisory

Crop	Stage/Particulars	Agromet Advisory
Rice	Active tillering	Drain the excess water from the paddy fields leaving a thin film of water.

		<p>In paddy fields thinning of tillers may be done and utilized to gap fill the damaged areas.</p> <p>In paddy, after one week of foliar spray top dressing of 50 kg urea and 20 kg potash along with 10 kg of neem cake per hectare may be done.</p> <p>To manage rice leaf folder release Trichogramma chilonis 5cc (1,00,000/ha) at 37, 44, 51 day after planting. Avoid excess application of nitrogen fertilizers. Setup light trap to attract adult moths. Setup T- shaped bird perches for predatory birds to control these pests.</p> <p>Apply cartaphydrochloride 50% SP @ 2g/l or flubendiamide 20 WG @ 0.25 g/l or thiamethoxam 25 WG @ 0.2 g/l.</p>
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SMS: Light to moderate rain is expected for next five days. Hence, postpone irrigation to crops.

Puducherry

Agro Advisory

Crop	Stage/Particulars	Agromet Advisory
Rice	Active tillering	<p>Drain the excess water from the paddy fields leaving a thin film of water.</p> <p>In paddy fields thinning of tillers may be done and utilized to gap fill the damaged areas.</p> <p>Foliar spray of 1% urea along with 0.5 % ZnSO₄ (5 kg urea +2.5 kg ZnSO₄ in 500 litres of water /ha) may be given.</p> <p>In paddy, after one week of foliar spray top dressing of 50 kg urea and 20 kg potash along with 10 kg of neem cake per hectare may be done.</p> <p>To manage rice leaf folder release Trichogramma chilonis 5cc (1,00,000/ha) at 37, 44, 51 day after planting. Avoid excess application of nitrogen fertilizers. Setup light trap to attract adult moths. Setup T- shaped bird perches for predatory birds to control these pests. Apply cartaphydrochloride 50% SP @ 2g/l or flubendiamide 20 WG @ 0.25 g/l or thiamethoxam 25 WG @ 0.2 g/l.</p>

SMS: Light to moderate rain is expected for next five days. Hence, postpone irrigation to crops.

